



U.S. Department  
of Transportation

**Federal Highway  
Administration**

# Memorandum

6300 Georgetown Pike  
McLean, Virginia 22101

Subject: **ACTION:** LTPP Directive Traffic Directive TDP-30  
Historical Traffic Data Processing for the IMS

Date: June 30, 2003

From: Debbie Walker *Debbie Walker*  
Long Term Pavement Performance Team

Reply to  
Attn of: HRDI-13

To: Dr. Frank Meyer, PM - LTPP North Atlantic Regional Contract  
Dr. Frank Meyer, PM - LTPP North Central Regional Contract  
Mr. Mark Gardner, PM - LTPP Southern Regional Contract  
Mr. Kevin Senn, PM - LTPP Western Regional Contract

Attached is the Long Term Pavement Performance (LTPP) Program Directive TDP-30. This directive addresses the overall handling of pre-1990 traffic data. Please ensure that all personnel involved with the Traffic Program are aware of this new directive.

Should you have any questions or would like to discuss this directive, please do not hesitate to contact me at 202-493-3068.

Attachments

# LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



*For the Technical Direction of the LTPP Program*



---

**Program Area:** Traffic

**Directive Number:** TDP-30

**Date:** June 30, 2003

**Supersedes:** See below

**Subject:** *Historical Traffic Data Processing for the IMS*

---

## **Purpose**

This directive addresses the overall process for handling historical (pre-1990) traffic data.

## **Contents**

This directive documents how to handle traffic data collected prior to the start of LTPP traffic monitoring and the identification of traffic data collection locations. It does not address the data collected and submitted on paper sheets related to ongoing data collection, equipment installation, and equipment maintenance.

## **Traffic Data Sheets**

Historical traffic data consists of a record of information collected by an agency prior to 1990 on traffic data and the intended traffic data collection location for LTPP sites. While traffic data Sheets 1 through 21 exist, this directive applies only to the following sheets:

- ◆ Traffic Sheet 1 — Site Data
- ◆ Traffic Sheets 2 and 3 — Historical Estimates of Volumes and Loads
- ◆ Traffic Sheet 4 — Pre-1990 Volume Data
- ◆ Traffic Sheets 5 and 6 — Pre-1990 Classification Data
- ◆ Traffic Sheets 8 and 9 — Pre-1990 Weight Data

### Traffic Sheet 1 — Site Data

- ◆ This sheet is used to populate TRF\_BASIC\_INFO in the Information Management System (IMS). It contains information on the location and site conditions for traffic data collection. As originally designed, it applied only to GPS locations. With the recent update of the table, the sheet information is required for all SPS projects except for SPS-3 and -4 projects that have linked GPS sections for data user convenience. Data is entered only under the SPS project ID.
- ◆ Completion of the paper copy of Traffic Sheet 1 is not required for SPS projects since all of the required information can be obtained from other existing IMS tables.
- ◆ Review of the content of TRF\_BASIC\_INFO to verify that all expected SPS projects are in the table were updated and the IMS QC done, should be completed by the December 2002 upload. The table is expected to be stable except for changes in functional classification that may occur at LTPP locations.
- ◆ The verification process determines that for every SPS-1, -2, -5, -6, -7, -8, and -9 project, and every SPS-4 project without a linked GPS section, a record with the SPS project ID exists in TRF\_BASIC\_INFO. The data to populate the table for required fields using existing IMS information may be identified using the IMS specifications dated April 26, 2001 for the traffic sheet tables, Section II. Resolving issues associated with QC failures in this table is done according to standard IMS processes.

### Traffic Sheets 2 and 3 — Historical Estimates of Volumes and Loads

- ◆ The instructions for populating the TRF\_HIST\_EST\_ESAL table using these sheets have not changed from TDP-19.
- ◆ It is expected that the content of the tables will be verified against the paper copies by the June 2003 upload. The value of DATE\_REVIEWED will reflect that the data was reviewed for completeness and gross typographical errors. After the June 2003 upload, the TRF\_HIST\_EST\_ESAL table may be locked down.

### Traffic Sheets 4-6, 8 and 9 — Pre-1990 Volume, Classification, and Weight Data

- ◆ These sheets populate various TRF\_HIST tables in the IMS. They contain information on actual classification and weight data collected at LTPP sites prior to the start of LTPP monitoring.
- ◆ The tables were provided to the regions populated with the data contained in the Central Traffic Database (CTDB) at the end of data resolution. The initial data was processed through the QC software for the June 2002 upload. It will be included in that and subsequent IMS uploads until further notice.
- ◆ It is expected that the content of the tables will be verified for all available data by the June 2003 upload. The value of DATE\_REVIEWED will reflect that the data was reviewed for completeness and gross typographical errors. After the June 2003 upload, these TRF\_HIST tables may be locked down.

**Raw Data Storage**

Paper copies of traffic sheets will continue to be stored with all other traffic related section information.

**Documentation**

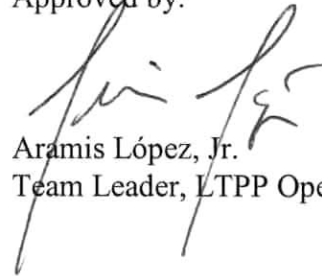
The *Guide to LTPP Traffic Data Collection and Processing* contains the core information for the traffic data sheets identified in this directive. This document is provided in electronic format on CD-RW for reference and document control purposes.

**Supersedes**

This directive supersedes those portions of the *Long Term Pavement Performance Traffic Software Users' Guide* dated June 1997 that reference traffic sheet data processing for pre-1990 information and site location (pages 19-30).

Prepared by: TSSC

Approved by:

A handwritten signature in black ink, appearing to read 'Aramis López, Jr.', is written over the printed name and title.

Aramis López, Jr.  
Team Leader, LTPP Operations